

ABSTRACT

Disclosed are a polymeric fluorescent substance, which has prolonged service life and high luminescence brightness and, at the same time, has excellent thermal stability and good practicality, a process for producing the polymeric fluorescent substance, and an organic EL element using the polymeric fluorescent substance. The polymeric fluorescent substance is adapted for emission of visible fluorescence in a solid state, comprises at least one type of repeating units represented by chemical formula (1), and has a number average molecular weight of  $10^3$  to  $10^8$  as determined using polystyrene as a standard.

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